INFORMATION DISCLOSURE	Complete if Known		
STATEMENT BY APPLICANT	Application Numb r	09/816,839	
OTATEMENT BY APPLICANT	Filing Dat	MARCH 23, 2001	
(Use as many sheets as necessary)	First Named Inventor	Michael FUNG, et al.	
———————	Group Art Unit	1646 1644	
SUFFE 1 4	Examiner Name Vander	SE NOT YET ASSIGNED	
SHEET OF 4	Attorney Docket Number	TNX 00-04	

Examiner	U.S. Docum	ents	U.S. Patent	Date of Publication of	Pages, Columns, Lines
Initials	Number	Kind Code (if known)	Document Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear
B	5,225,539	B1	G. WINTER	July 6, 1993	
	5,530,101	B1	C. QUEEN, et al.	June 25, 1996	
	4,946,778	B1	LADNER, et al.	AUG. 7, 1990	

					FOREIGN DO	CUMENTS		
Examiner Initials	Office	Foreign F Docum Number	ents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation
Examiner			う	1	(10)	Date	2/21/05	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) Inside this box	+

PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

INFORMATION DISCLOSURE STATEMENT BY APPLICANT SEET 2 OF

Complete if Known 09/816,839 Applicati n Numb r MARCH 23, 2001 Filing Dat Michael FUNG, et al. First Named Inv ntor **Group Art Unit** 1045 1644 Examiner Name VANDENVE67 NOT YET ASSIGNED

Attorney Docket Number

TNX 00-04

Examine Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, volume-issue number(s), page(s).	1 2
A	1.	M. MATSUSHITA, "The Lectin Pathway of the Complement System", Microbiol. Immunol. 40(12):887-893 (1996).	
	2	M. MATSUSHITA, et al., "MASP-1 (MBL-Associated Serine Protease-1)", Immunobiol. 199:340-347 (1998).	L
	3	C. SUANKRATAY, et al., "Requirement for the Alternative Pathway as well as C4 and C2 in Complement- Dependent Hemolysis via the Lectin Pathway", <i>J. Immunol.</i> 160:3006-3013 (1998).	
	4	Y. ZHANG, et al., "Lysis via the Lectin Pathway of Complement Activation: minireview and lectin pathway enhancement of endotoxin-initiated hemolysis", <i>Immunopharmacol</i> . 42:81-90 (1999).	
\perp	5	Y. ZHANG, et al., "Calcium-Independent Haemolysis via the Lectin Pathway of Complement Activation in the Guinea-Pig and Other Species", <i>Immunol.</i> 97:686-692 (1999).	
	6	HANS-PETER HEINZ, et al., "Monoclonal Antibodies Against Components of the Classical Pathway of Complement", Complement Inflamm. 6:166-174 (1989).	
	7	V.M. HOLERS, "Complement", IN: <u>CLINICAL IMMUNOLOGY: PRINCIPLES AND PRACTICE</u> , R.R. RICH Ed., MOSBY PRESS, 1996, pp. 363-391.	_
	8	VORUP-JENSEN, et al., "MASP-2, the C3 Convertase Generating Protease of the MBLectin Complement Activating Pathway", <i>Immunobiol.</i> 199: 348-357 (1998).	
	9	C. SUANKRATAY, et al., "Complement Regulation in Innate Immunity and the Acute-Phase Response: Inhibition of Mannan-Binding Lectin-Initiated Complement Cytolysis of C-Reactive Protein", Clin. Exp. Immunol. 113:353-359 (1998).	
	10	C. SUANKRATAY, et al., "Mechanism of Complement-Dependent Haemolysis via the Lectin Pathway: Role of the Complement Regulatory Proteins", Clin. Exp. Immunol. 117: 442-448 (1999).	
	11	R. SCHLINDER, et al., "Recombinant C5a Stimulates Transcription Rather Then Translation of Interleukin-1 (IL-1) and Tumor Necrosis Factor: Translational Signal Provided by Lipopolysaccharide or IL-1 Itself', Blood 76:1631-1638 (1990).	
	12	T. WIEDMER et al., "Participation of Protein Kinases in Complement C5b-9-Induced Shedding of Platelet Plasma Membrane Vesicles", <i>Blood</i> 78:2880-2886 (1991).	
	13	M. P. FLETCHER, et al., "C5a-Induced Myocardial Ischemia: Role for CD18-Dependent PMN Localization and PMN-Platelet Interactions", Am. J. Physiol. 265:h1750-1761 (1993).	
	14	S. NAGASAWA, et al., "Cleavage of C2 by C1s into Antigenically Distinct Fragments C2a and C2b: Demonstration of Binding of C2b to C4b", <i>Proc. Natl. Acad. Sci.</i> (USA) 74:2998-3001 (1977).	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

OI								١.
Please t	ype a	plus:	sign ((+)	inside	this	box	+

INFORMATION DISCLOSURE	C mplete if Known		
& JC/SQTATEREDIT DV ADDLIGANT	Applicati n Numb r	09/816,839	
	Filing Dat	MARCH 23, 2001	
(Useas many sheets as necessary)	First Named Inv nt r	Michael FUNG, et al.	
9 X	Gr up Art Unit	1645-1644	
3	Examin r Nam Vander Vest	NOT YET ASSIGNED	
SHEET 3 OF 4	Attorney Docket Number	TNX 00-04	

Examiner Initials	I morage rights of the database for the PUSE of the difficie (Milell applicabilities).		Т2			
PV	15	E. I. STENBAEK, et al., "Human Complement Component C2: Production and Characterization of Polyclonal and Monoclonal Antibodies Against C2", Mol. Immunol. 23:879-886 (1986).				
	16	T. J. OGLESBY, et al., "Evidence for a C4b Binding Site on the C2b Domain of C2", J. Immunol. 141:926-931 (1988).				
	17	Y. WANG, et al., "Amelioration of Lupus-Like Autoimmune Disease in NZB/W F1 Mice After Treatment With a Blocking Monoclonal Antibody Specific for Complement Component C5", <i>Proc. Natl. Acad. Sci.</i> (USA), 1996, 93:8563-8568				
	18	C. S. RINDER, et al., "Blockade of C5a and C5b Generation Inhibits Leukocyte and Platelet Activation During Extracorporeal Circulation", <i>J Clin. Invest.</i> 96:1564-1572 (1995).				
	19	J. C. K. FITCH, et al., "Pharmacology and Biological Efficacy of a Recombinant, Humanized, Single-Chain Antibody C5 Complement Inhibitor in Patients Undergoing Coronary Artery Bypass Graft Surgery with Cardiopulmonary Bypass", Circulation 100:2499-2506 (1999).				
	20	H. L. LAZAR, et al., "Total Complement Inhibition: An Effective Strategy to Limit Ischemic Injury During Coronary Revasculaization on Cardiopulmonary Bypass", Circulation 100:1438-1442 (1999).				
	21	T. J. KROSHUS, et al., "Complement Inhibition with an Anti-C5 Monodonal Antibody Prevents Acute Cardiac Tissue Injury in an Ex Vivo Model of Pig-To-Human Xenotransplantation", <i>Transplantation</i> 60:1194-1202 (1995).				
	22	J. W. HOMEISTER, et al., "Soluble Complement Receptor Type 1 Prevents Human Complement-Mediated Damage of the Rabbit Isolated Heart", J. Immunol. 150: 1055-1064 (1993).				
	23	H. F. WEISMAN, et al., "Soluble Human Complement Receptor Type 1: In Vivo Inhibitor of Complement Suppressing Post-Ischemic Myocardial Inflammation and Necrosis", Science 249:146-151 (1990).				
	24	E. A. AMSTERDAM, et al., "Limitation of Reperfusion Injury by a Monoclonal Antibody to C5a during Myocardial Infarction In Pigs", <i>Am. J. Physiol.</i> 268: H448-H457 (1995).				
	25	R. RABINOVICI, et al., "Role of Complement in Endotoxin/Platelet-Activating Factor-Induced Lung Injury", J. Immunol. 149:1744-1750 (1992).				
	26	B. P. MORGAN, "Clinical Complementology: Recent Progress and Future Trends", Eur. J. Clin. Invest. 24:219-228 (1994).				
	27	S. M. CANFIELD, et al., "The Binding Affinity of Human IgG for its High Affinity Fc Receptor is Determined by Multiple Amino Acids in the C _H 2 Domain and is Modulated by the Hinge Region", <i>J. Exp. Med.</i> 173:1483-1491 (1991).				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box +

EINFORMATION DISCLOSURE	Complet if Known		
STATEMENT BY APPLICANT	Application Number 09/816,839		
OTATEMENT BY AFFEIGANT	Filing Dat MARCH 23, 2001		
(Use as many sheets as necessary)	First Nam d Inv nt r Michael FUNG, et al.		
(555 do many shoots as necessary)	Gr up Art Unit / -1645 /644		
	Examiner Name Vander Vest-NOT YET ASSIGNED		
SHEET 4 OF 4	Attorney Docket Number TNX 00-04		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),	T 2				
m	28	KOHLER AND MILSTEIN, "Continuous Cultures of Fused Cells Secreting Antibody of Predefined Specificity", Nature 256: 495-497 (1975).					
	29	Y. XU, et al., "Residue at Position 331 in the IgG1 and IgG4 C _H 2 Domains Contributes to Their Differential Ability to Bind and Activate Complement", <i>J. Biol. Chem.</i> 269:3469-3474 (1994).					
	30	V. L. PULITO, et al., "Humanization and Molecular Modeling of the Anti-CD4 Monoclonal Antibody, OKT4A", J. Immunol. 156:2840-2850 (1996).	,				
	31	L. RIECHMANN, et al., "Reshaping Human Antibodies for Therapy", Nature 332:323-327 (1988).					
	32	M. J. EVANS, et al., "Rapid Expression of an Anti-Human C5 Chimeric Fab Utilizing a Vector That Replicates in COS and 293 Cells", <i>J. Immunol. Meth.</i> 184:123-138 (1995).					
	33	S.K. DATTA, "Murine Lupus", <i>Meth. Enzymol.</i> 162:385-413 (1988).					
	34	D. J. SALVANT, et al., "Experimental Glomerulonephritis", Meth. Enzymol. 162:421-461 (1988).					
	35	Y. WANG, et al., "Anti C5 Monoclonal Antibody Therapy Prevents Collagen-Induced Arthritis and Ameliorates Established Disease", <i>Proc. Natl. Acad. Science</i> (USA) 92:8955-8959 (1995).					
	36	M. S. MULLIGAN, et al., "Protective Effects of Soluble CR1 in Complement- and Neutrophil-Mediated Tissue Injury", J. Immunol. 148:1479-1485 (1992).					
Examiner Signature	6.	9-9-12- Date Considered 2/21/05					

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.